



**Public Works Department
Columbus, MT 59019
406-322-4424**

To all contractors and developers:

The City of Columbus requires hydraulic modeling for all proposed system connections other than single family residential dwellings. The City of Columbus also requires hydraulic modeling for any proposal that may cause a change in the usage and/or an increase in the demand for any existing system connection. Letters from the developers; or their representatives granting the City approval to have modeling run at their expense is also required. I am requiring the following list of information be submitted by the developer requesting a hydraulic modeling study.

Plans:

- 1. Size of main line tap.**
- 2. Location of new water mains, including size**
- 3. Elevations consistent with the city datum for water main fittings or street intersections (finished grade elevations).**
- 4. Location of service lines and sizes.**
- 5. Lot lines, lot numbers and street Lines**
- 6. Street names (if new or revised).**

Calculations:

- 1. Average, peak and instantaneous demands (fixture unit count)**
- 2. Project IBC/IFC Code Analysis, fire flow requirements, and road frontage fire hydrant location and spacing requirements.**
- 3. Any special water demands (i.e., irrigation systems, fire lines, etc.)**

Proposed site drawings shall be submitted in both AutoCAD DWG and PDF formats. The DWG file should not include unexploded blocks or external references. Any drawings and design information not complying with these requirements will be returned for correction prior to any modeling. By requiring these standards for submittal, we will be able to process requests in a timely manner, concentrating on all analysis versus waiting on project information. No plans will be approved until the modeling is completed and all modeling fees are paid.

Sincerely,

Peyton Brookshire

**Peyton Brookshire
Public Works Director
City of Columbus
406-322-4424**